

Title (en)
EFFICIENT ADDRESS ASSIGNMENT IN CODED LIGHTING SYSTEMS

Title (de)
EFFIZIENTE ADRESSENZUWEISUNG IN CODIERTEN BELEUCHTUNGSSYSTEMEN

Title (fr)
ATTRIBUTION D'ADRESSE EFFICACE DANS DES SYSTÈMES D'ÉCLAIRAGE CODÉ

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Abstract (en)
[origin: WO2010116299A1] Coded light has been proposed to enable advanced control of light sources and transmit information using light sources. It is based on invisibly embedding of data and identifiers in their light output. Methods, devices and systems configured to efficient assignment of addresses in a coded lighting system, still allowing for unique identification, are proposed. More specifically, the assignment of addresses occurs in two phases, where in the initial phase wide area unique addresses are used, while in the second phase only local area unique addresses are used. Also, methods, devices and systems configured to efficiently distribute a set of addresses over a set of light sources in this second phase, to maximize the performance of the illumination contribution estimation, and positioning, are disclosed.

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